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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/777,417	02/11/2004	Peter Wang	2001076	4324	
. 75	90 09/02/2005		EXAM	INER	
Keith Kline PRO-TECHTOR INTERNATIONAL SERVICES 20775 Norada Court			NGUYEN, HUNG		
			ART UNIT	PAPER NUMBER	
Saratoga, CA	95070-3018		2851		
			DATE MAILED: 09/02/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

<u>'</u>	·		0 /
	Application No.	Applicant(s)	
Office Action Summary	10/777,417	WANG, PETER	
Office Action Summary	Examiner	Art Unit	
The MAN INC DATE CHA	Hung Henry V. Nguyen	2851	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wit	n the correspondence addres	3S
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a re within the statutory minimum of thirty will apply and will expire SIX (6) MONT cause the application to become AB	ply be timely filed  (30) days will be considered timely.  THS from the mailing date of this communications.  ANDONED (35 U.S.C. § 133).	inication.
Status		•	
1) Responsive to communication(s) filed on 11 Fe	ehruary 2004		
	action is non-final.		
3) Since this application is in condition for allowar	nce except for formal matte	· •	erits is
closed in accordance with the practice under E	х рапе Quayle, 1935 С.Д.	11, 453 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.		
Application Papers	•		
9) The specification is objected to by the Examine	r.		•
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to b	y the Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyand	ce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correction		-	
11) The oath or declaration is objected to by the Ex	aminer. Note the attached	Office Action or form PTO-1	52.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign     a) All b) Some * c) None of:     1. Certified copies of the priority documents     2. Certified copies of the priority documents     3. Copies of the certified copies of the prior application from the International Bureau     * See the attached detailed Office action for a list of the priorical forms.	s have been received. s have been received in Apity documents have been in (PCT Rule 17.2(a)).	oplication No received in this National Sta	ge
Attachment(s)			
1) X Notice of References Cited (PTO-892)		ummary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		l/Mail Date formal Patent Application (PTO-152	2)

### **DETAILED ACTION**

#### Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 2-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As to claim 2, the recitation of "the step of choosing the photo feedback system is a decision of the photo feedback system (PFBS) suited to a host product or miscellaneous product" is ambiguous and indefinite. It is not clearly understood how to determine whether or not the chosen photo feedback system suited to the host product or the miscellaneous product, as claimed? Furthermore, since there are many products in the lithography operation, the meanings of "host product" and "miscellaneous product" are not clearly defined in the claims. It is not clearly understood what "host product", the applicant refers to ? or what product in the operation is "miscellaneous product", as claimed. Please explain and clarify.

As to claim 5, the meaning and scope of the recitation of "wherein the standard point... of the host product in a nearest operation" is vague and not clearly understood.

As to claim 7, the recitation of "the difference between the host product...the host product in the nearest operation" is ambiguous and not clearly understood.

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## Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

- 4. As best the claimed subject matters are understood (see rejection under 35 U.S.C. 112, second paragraph, supra). Claims are anticipated by references.
- 5. Claims 1-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Park (U.S.Pat. 6,825,912).

With respect to claims 1, 8 and 13, Park (figure 1) discloses a system and corresponding method of exposure error adjustment in a lithography for multiple products (semiconductor device) and comprising all of the steps as set forth in the instant claims including: choosing or selecting a photo feedback system (see col.2, lines 50 to col.3, line 15); providing a standard point (see col.3, lines 40-50; col.5, lines 40-45); providing a compensation difference (see col.3, lines 50-59; col.5, lines 50-52) and calculating a photo feedback system parameter to evaluate an

adjustment value of each operation for automatic adjustment (see col.3, lines 65 thru col.4 line 39; see col.6, lines 29-61).

As to claim 2, Park teaches the step of choosing the photo feedback system is a decision of the photo feedback system suited to a host product or a miscellaneous product such as a semiconductor device or wafer or substrate.

As to claims 3-7, 9-12, Park further teaches the standard point for the host product/wafer is the photo feedback system parameter of the host product/wafer last process (see col.5, lines 5-17) and the compensation difference for the wafer comprising a different between the wafer and the actual error of the of miscellaneous product last process (see col.6, lines 29-35).

As to claims 14-17, Park teaches the photo feedback system parameter is the adjustment critical dimension (CD) (see col.5, lines 45-50) and the compensation difference for the host product/wafer is an actual critical dimension (CD) loss of the host product last processed (see col.7, lines 45-53).

#### Prior Art Made of Record

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bode et al (U.S.Pat. 6,535,774); Toprac (U.S.Pat. 6,560,506); Kuo (U.S.Pat. 6,873,399); Miller et al (U.S.Pat. 6,643,557); each of which, discloses a method and apparatus for exposure error adjustment in photolithography.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung Henry V. Nguyen whose telephone number is 571-272-2124. The examiner can normally be reached on Monday-Friday (First Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hung Henry V Nguyen Primary Examiner

tuephamm

Art Unit 2851

hvn 8/27/05